

Figure 1

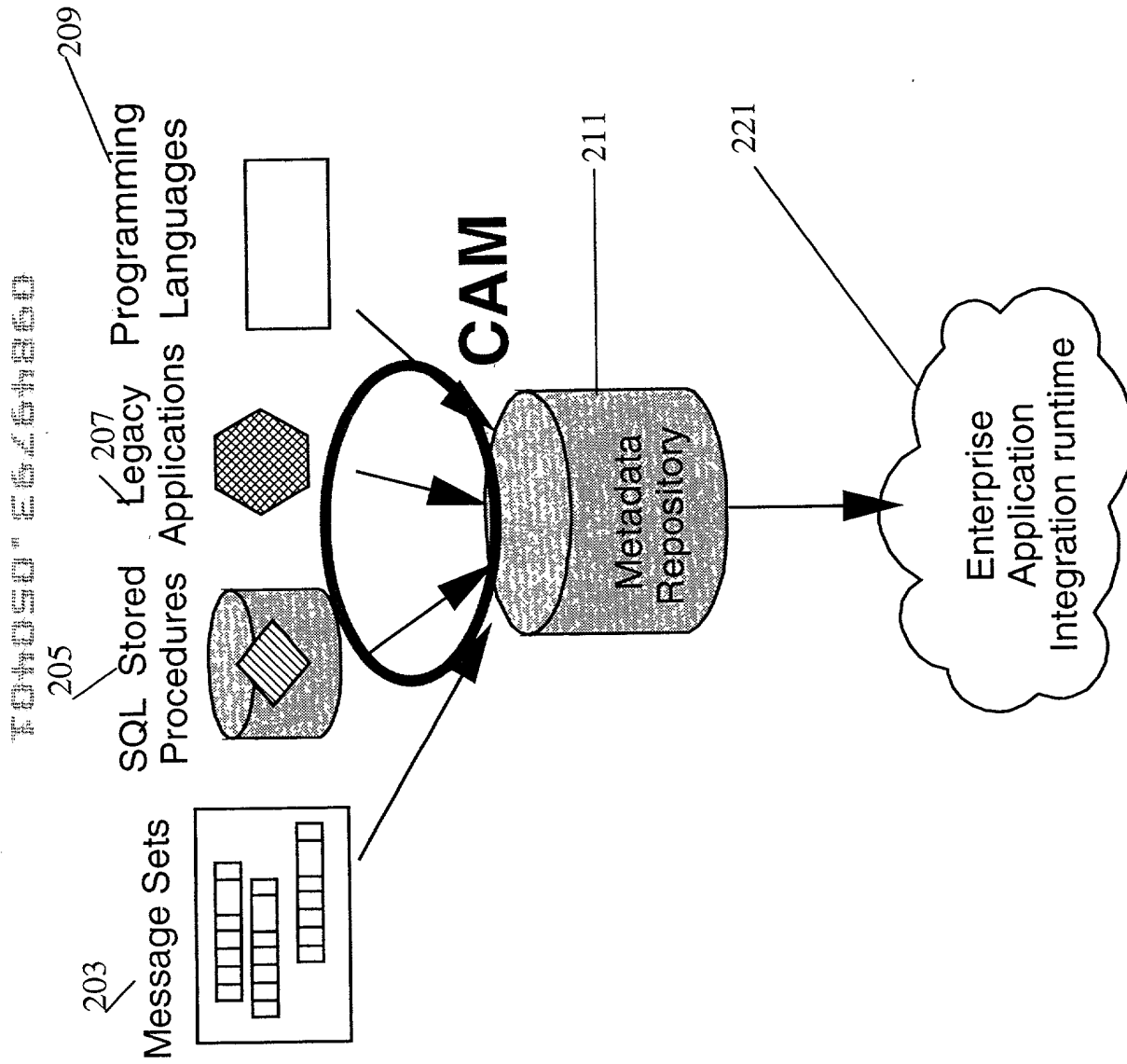


Figure 2

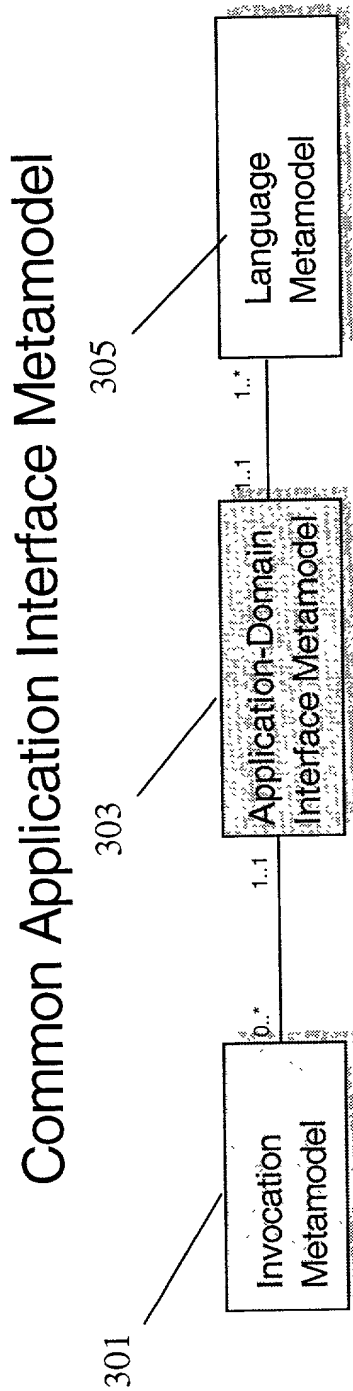


Figure 3

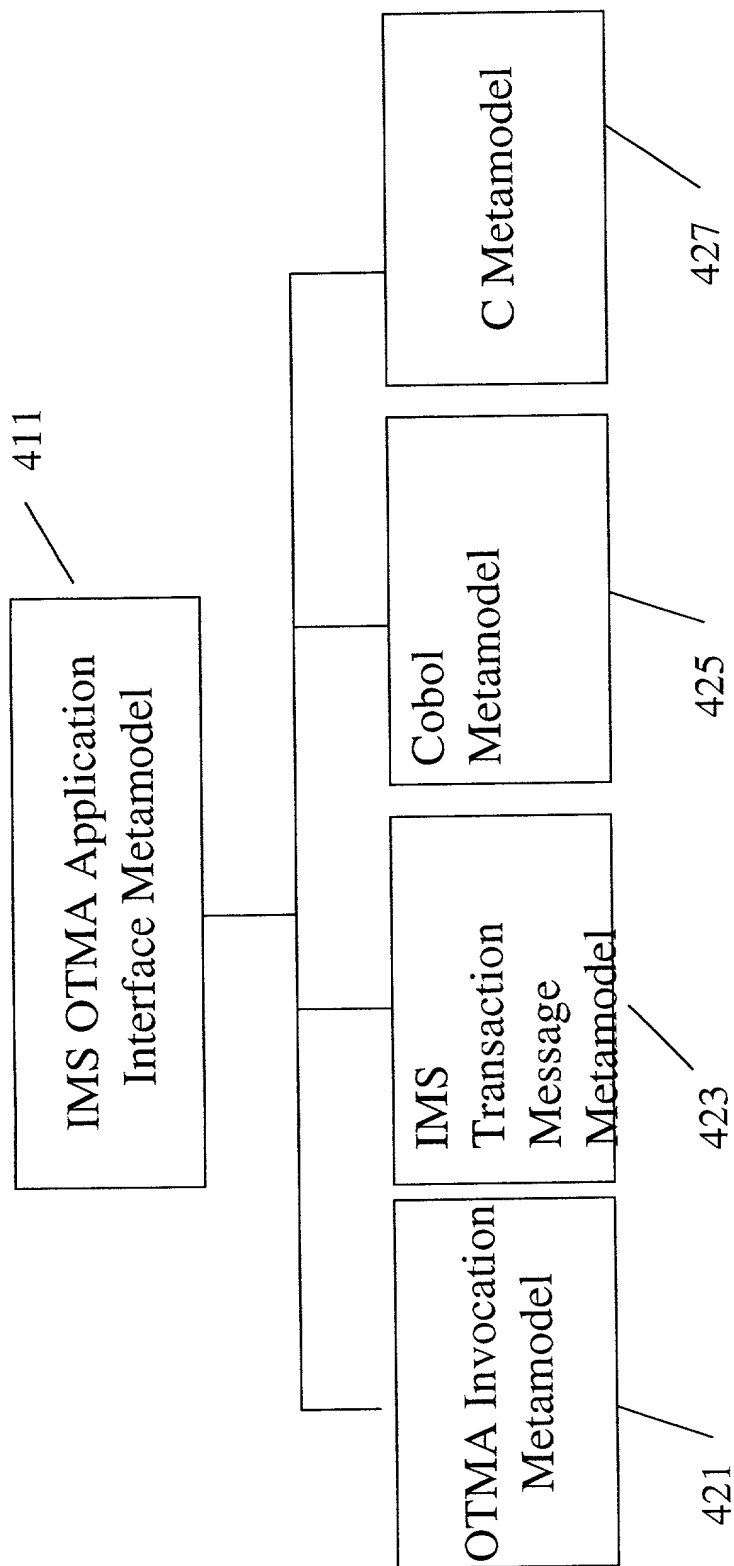


Figure 4

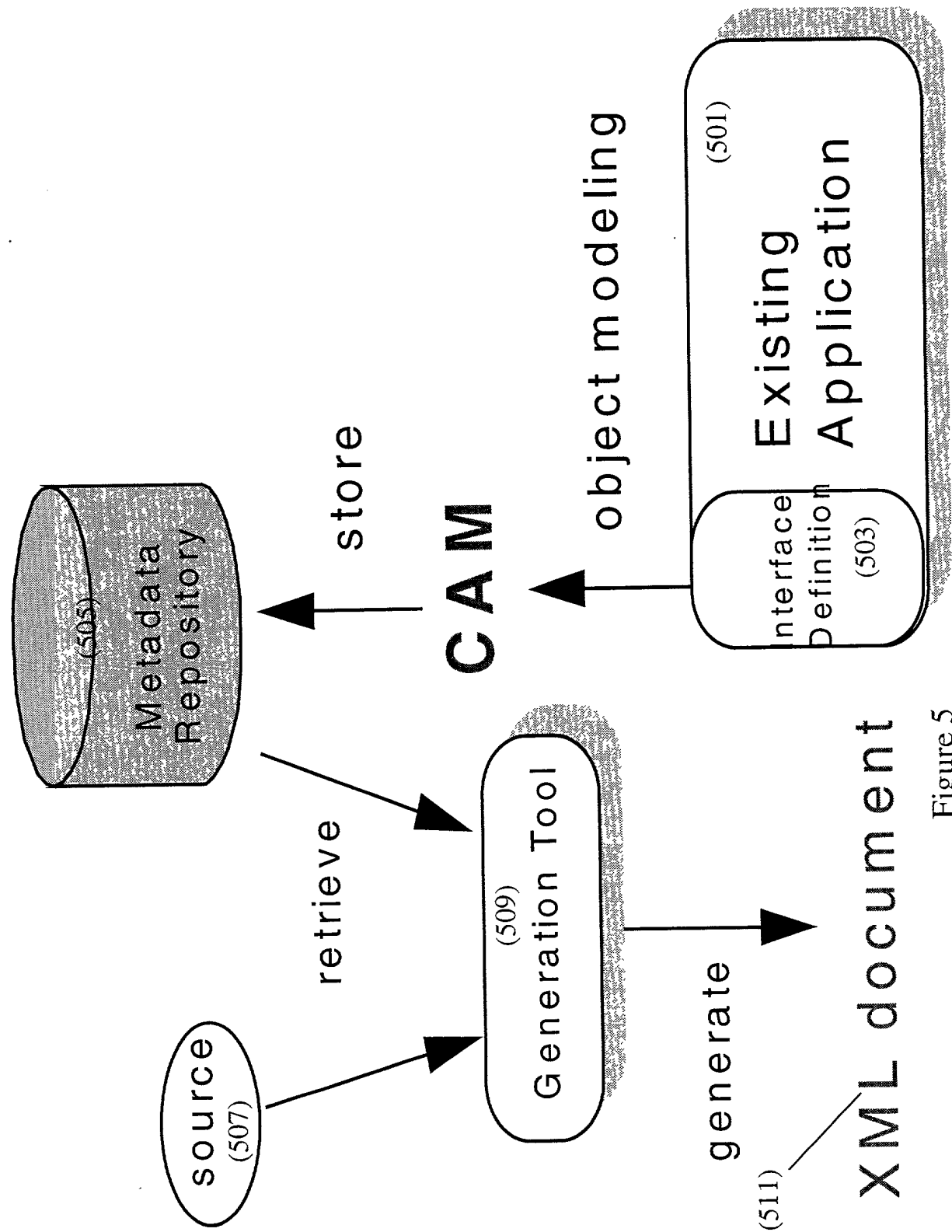


Figure 5

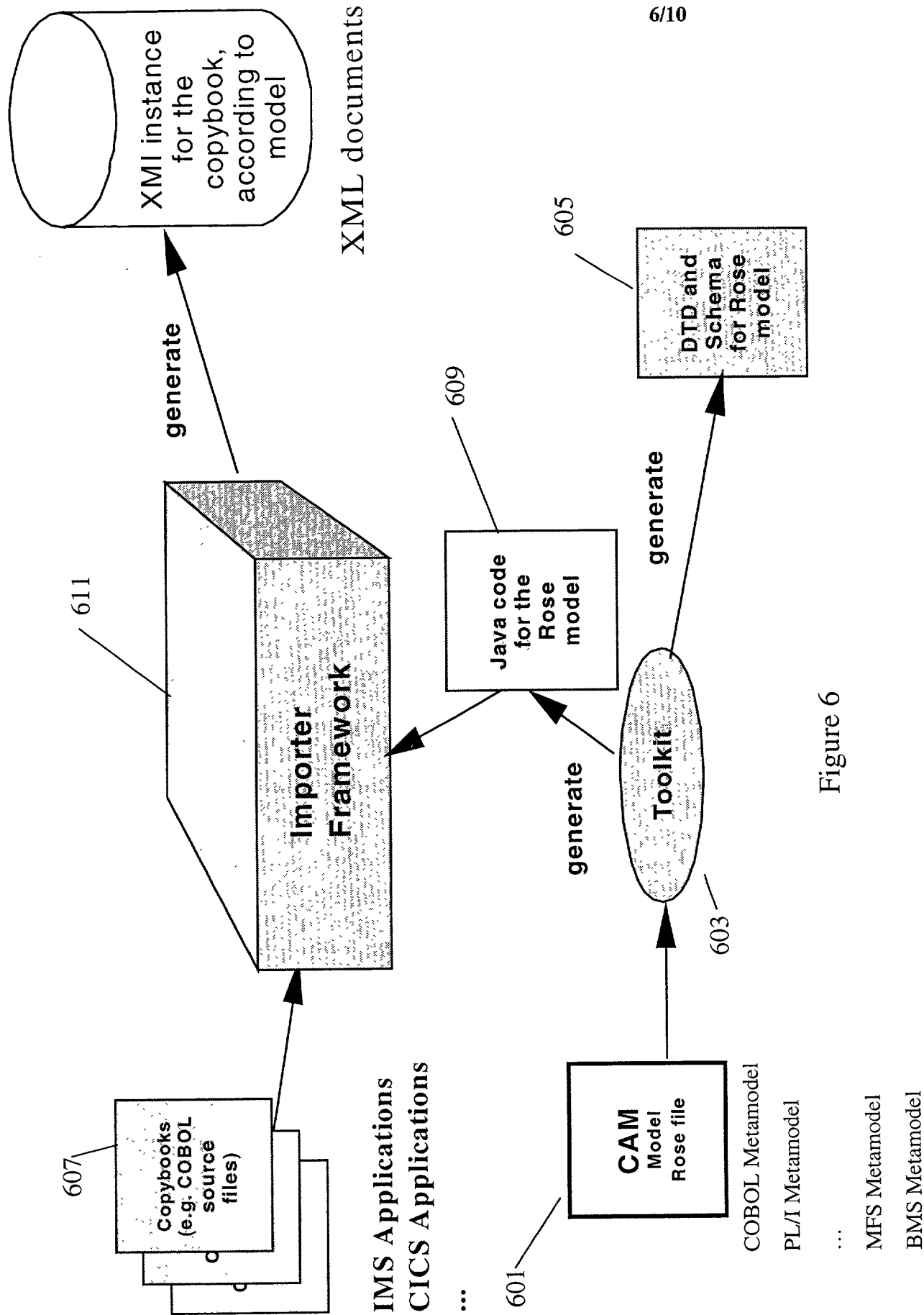


Figure 6

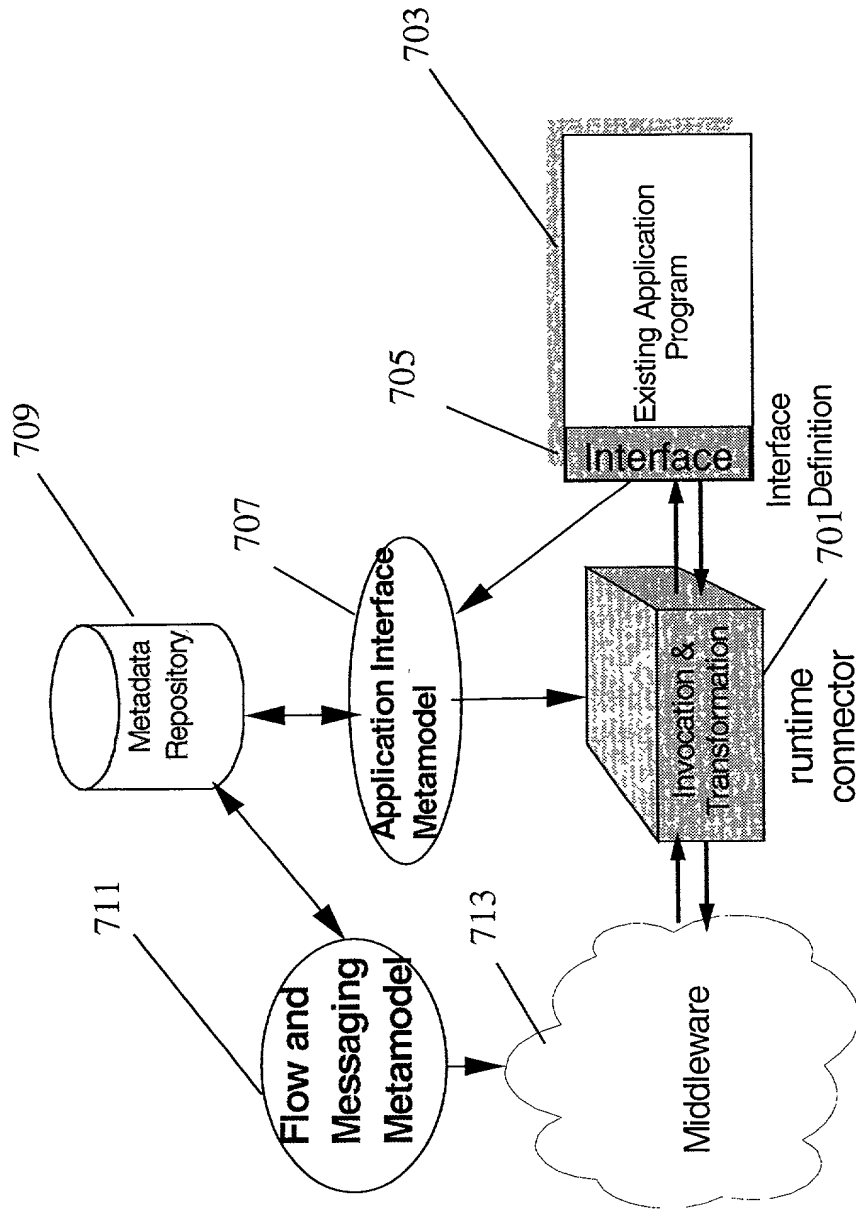


Figure 7

FIG. 7

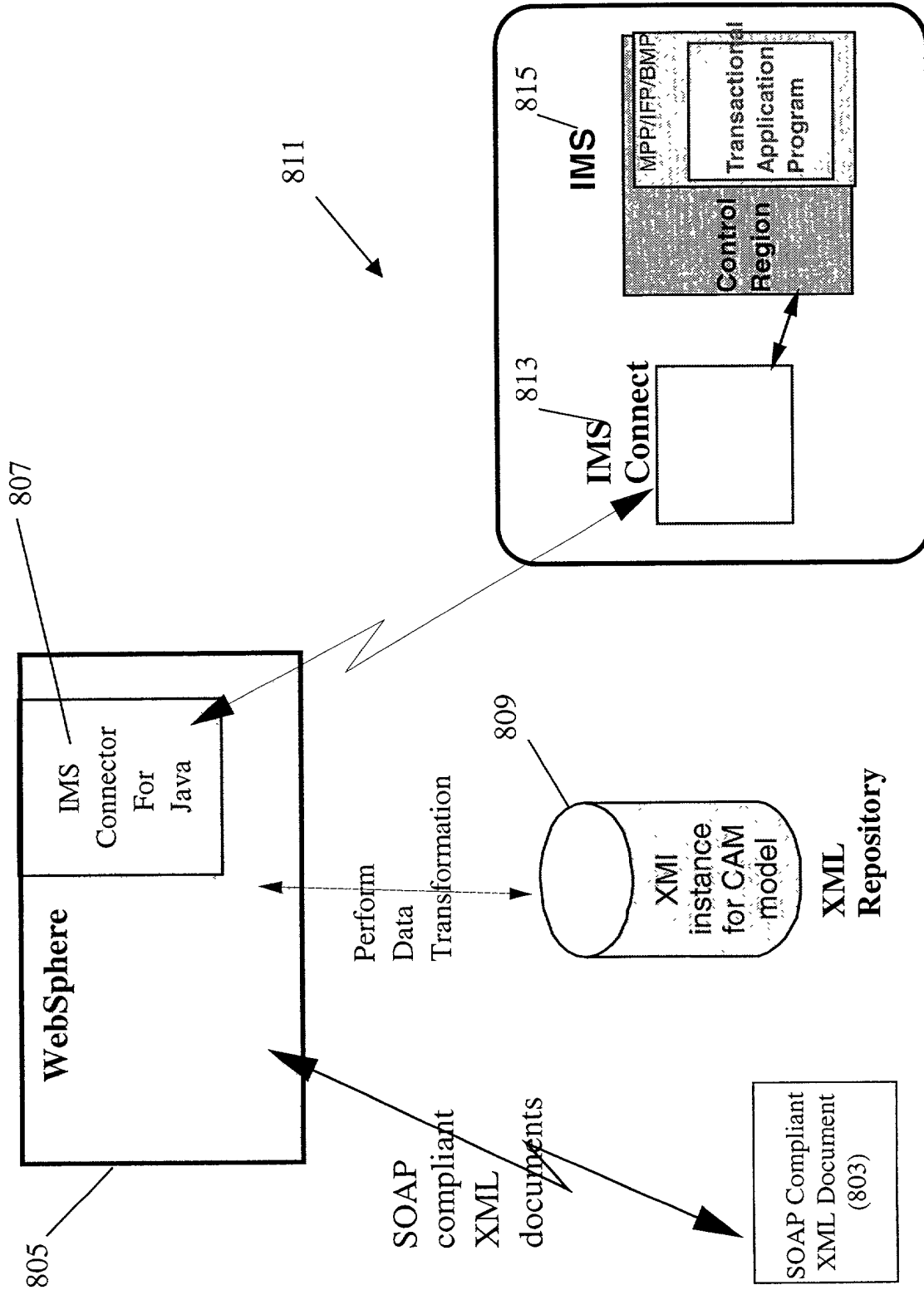


Figure 8



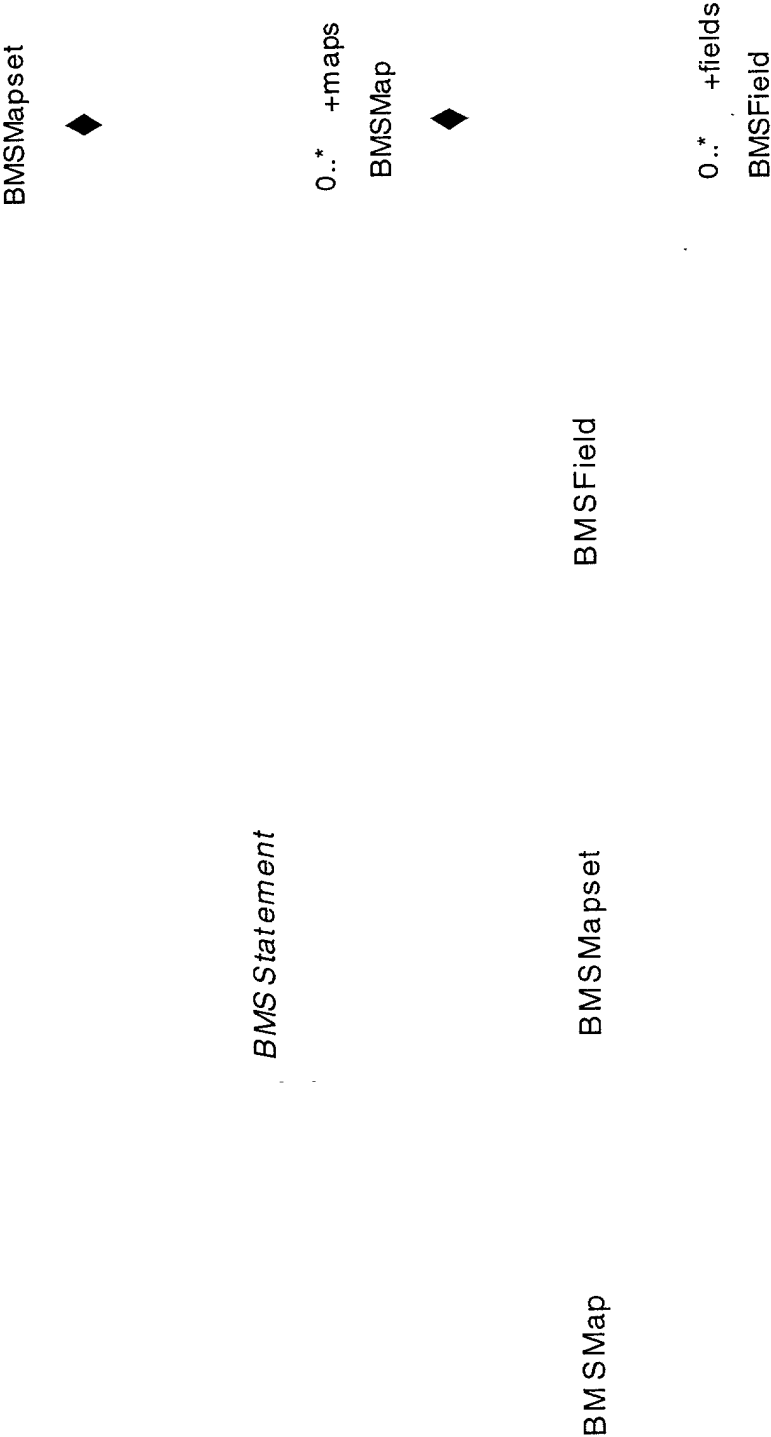


Figure 9

FIG. 10 is a schematic diagram of a system architecture.

```

BMSMapset
base String
color BMSColorType
control BMSControlType
cursorLocation boolean
data BMSDataType
descriptionAttributes BMSMapAttributesType
extendedAttributes BMSExtendedAttributesType
field BMSFieldType
highlighting BMSHighlightingType
horizontalTabs int
language BMSLanguageType
logicalDeviceCode int
mapAttributes BMSMapAttributesType
mode BMSModeType
outboardFormatting boolean
outlining BMSOutliningType
partition String
programmedSymbol String
shiftOutShiftIn boolean
storageSize boolean
symbolicString
transparent boolean
trigraph boolean
type BMSMapsetType
validation BMSValidationType
verticalTabs int

BMSMap
column String
color BMSColorType
control BMSControlType
data BMSDataType
descriptionAttributes BMSMapAttributesType
extendedAttributes BMSExtendedAttributesType
fieldSeparator String
highlighting BMSHighlightingType
justly BMSJustifyType
line String
mapAttributes BMSMapAttributesType
outboardFormatting boolean
outlining BMSOutliningType
partition String
programmedSymbol String
size BMSSizeType
terminalString
transparent boolean
validation BMSValidationType

BMSField
attributes BMSAttributesType
case boolean
color BMSColorType
group String
highlighting BMSHighlightingType
initialValue String
justly BMSJustifyType
length int
occurs int
outlining BMSOutliningType
pictureInput String
pictureOutput String
position BMSPositionType
shiftOutShiftIn String
transparent boolean
validation BMSValidationType

BMSStatement
label String
comments String

BMSColorType
<<enumeration>>
lower
upper

BMSControlType
<<enumeration>>
block
field
maponly

BMSDataType
<<enumeration>>
no
yes
maponly

BMSHighlightingType
<<enumeration>>
left
right
first
last
bottom
top

BMSJustifyType
<<enumeration>>
left
right
first
last
bottom
top

BMSPositionType
<<enumeration>>
line
column
number
trigger
userExit

BMSSizeType
<<enumeration>>
line
column
number
trigger
userExit

BMSMapAttributesType
<<enumeration>>
skip
bright
detectable
dark
modified
cursor
normal
numeric
protected

BMSMapsetType
<<enumeration>>
default
blue
red
green
pink
cyan
yellow
neutral

BMSValidationType
<<enumeration>>
color
highlighting
outline
programmedSymbol
sosi
transparent
validation

```

Figure 10